

Atty Docket No.: TKHR5980-R

Serial No.: 09/853,381

In The Claims:

1. (currently amended) A universal power supply (UPS) system, comprising:
a device circuit, wherein the device circuit comprises
a device ID code unit, storing a device ID (identification) code of the device circuit,
and
a power input interface, used to transmit a needed power to the device circuit;
a UPS unit, wherein the UPS unit comprises
a voltage supply unit,
a device ID detecting unit that can detect the device ID code stored in the device ID
code unit of the device circuit, and
a voltage control unit, that controls the voltage unit to supply a power type of the
needed power, according to the device ID code; and
a [~~standard~~] Standard interface unit, coupled between the device circuit and the
UPS unit, to supply the needed power to the device circuit and transmitting the device ID code,
wherein the [~~standard~~] Standard interface unit is the same for a different type of the device.
2. (original) The UPS system of claim 1, wherein the voltage supply unit comprises a
re-chargeable battery associated with a charger.
3. (original) The UPS system of claim 1, wherein the voltage supply unit of the UPS unit
comprises a power transforming apparatus, allowing it to transform a power from an external
public power source into a battery-type power.

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4. (currently amended) The UPS system of claim 1, wherein the [standard] Standard interface unit comprises:

a [standard] Standard connector, having a standardized size and comprising a plurality of plug holes, the plug holes being defined with functions according to a type of the device circuit; and

a multi-wire cable, coupled between the device circuit and the UPS unit, with respect to the plug holes.

5. (original) The UPS system of claim 4, wherein the multi-wire cable, comprises a power line, a grounded line, a device ID signal line, and a safety signal line, wherein the power line is used to transmit the needed power, the device ID signal line is used to transmit the device ID code, the safety signal line is used to transmit a safety signal.

Claims 6-9 (cancelled)

10. (currently amended) A universal power supply (UPS) system, comprising:

a device circuit, with a device identification (ID) code;

a UPS unit, haing capability to recognize the device circuit by obtaining the device ID code; and

a [standard] Standard interface unit, coupled between the device circuit and the UPS unit, thereby to supply a needed power to the device circuit, wherein the [standard] Standard interface unit is the same for a different type of the device circuit.

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11. (currently amended) A method for supplying power to a device circuit, comprising:

- providing a device circuit having a power input interface and a battery;
- pre-setting a device ID code to the device circuit;
- detecting the device ID code, to recognize a power type needed by the device circuit;
- providing a power source apparatus; and
- controlling the power source apparatus, according to the power type, to supply a power to the device circuit through the power input interface, wherein the device circuit can also receive a power from the battery through the power input interface, wherein a different one of the device circuit is connected to the power source apparatus with a same [standard] Standard interface.

12. (original) The method of claim 11, further comprising detecting a status for supplying power to the device circuit, to determine whether the status is under a normal condition.

13. (previously presented) The UPS system of claim 1, wherein the device circuit further comprises a battery, used to supply the needed power for the device circuit.

14. (currently amended) The UPS system of claim 1, wherein the [standard] Standard interface unit comprises a multi-wire cable, having a power line, a ground line, an ID detecting line, and a safety line, for connecting the device circuit and the UPS unit.